

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031320\
 Data File : VN060490.D
 Acq On : 13 Mar 2020 10:10
 Operator : JC/MD
 Sample : VN0313WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 16 04:25:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 27 13:52:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	194985	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	322408	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	295592	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	128709	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	127704	51.05	ug/l	0.00
Spiked Amount			Recovery	=	102.10%	
35) Dibromofluoromethane	7.57	113	95083	63.54	ug/l	0.00
Spiked Amount			Recovery	=	127.08%	
50) Toluene-d8	10.08	98	393936	52.01	ug/l	0.00
Spiked Amount			Recovery	=	104.02%	
62) 4-Bromofluorobenzene	12.40	95	142508	49.63	ug/l	0.00
Spiked Amount			Recovery	=	99.26%	

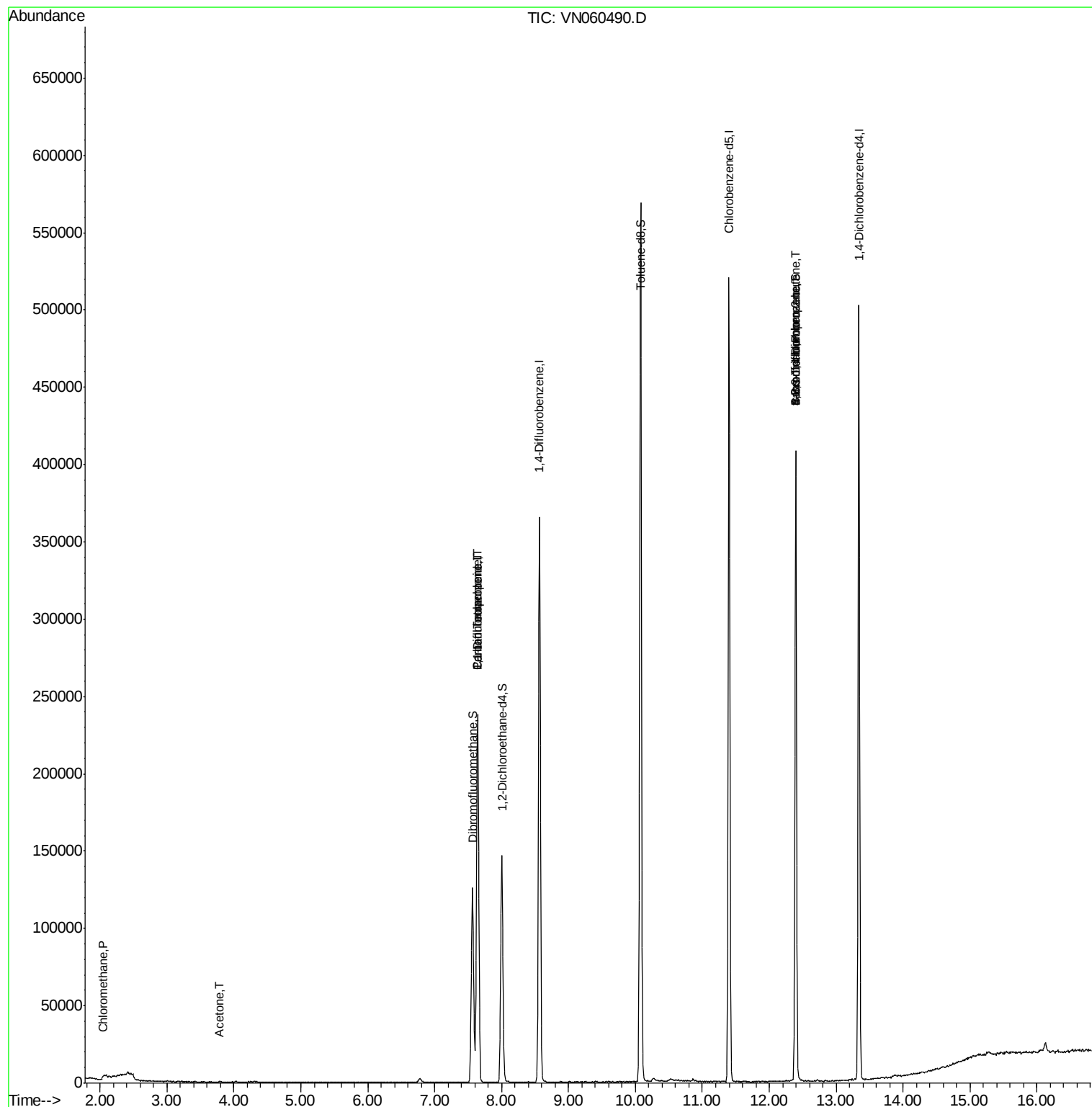
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	1067	0.343	ug/l #	75
16) Acetone	3.79	43	250	0.309	ug/l #	44
17) Carbon Disulfide	4.03	76	257	Below Cal	#	75
31) Cyclohexane	7.64	56	4115	Below Cal	#	1
36) 1,1-Dichloropropene	7.64	75	15215	4.952	ug/l #	49
38) Carbon Tetrachloride	7.64	117	18628	6.227	ug/l #	16
71) Bromoform	12.39	173	407	0.256	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	73015	25.856	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	73015	71.375	ug/l #	8
87) 1,3-Dichlorobenzene	13.36	146	143	Below Cal	#	66
88) 1,4-Dichlorobenzene	13.36	146	143	Below Cal	#	67
95) Naphthalene	15.13	128	1043	Below Cal	#	69
96) 1,2,3-Trichlorobenzene	15.31	180	369	Below Cal	#	34

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Feb 27 13:52:50 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060490.D

Acq: 13 Mar 2020 10:10

Instrument :

MSVOA_N

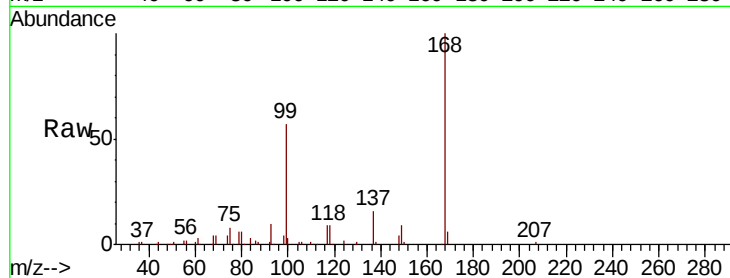
ClientSampleId :

Tot Ion:168 Resp: 194985

Ion Ratio Lower Upper

168 100

99 56.8 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): VN060264.D (-1806) (-)

Ion 98.90 (98.60 to 99.60): VN060264.D (-1806) (-)

7.64

80000

60000

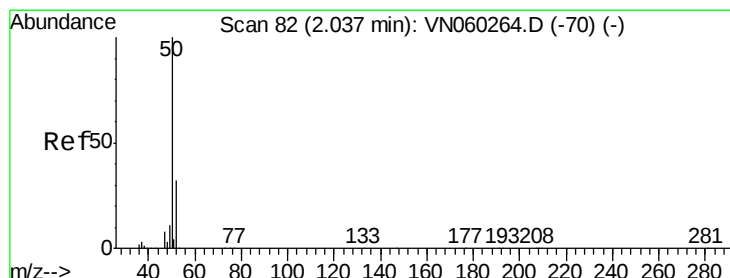
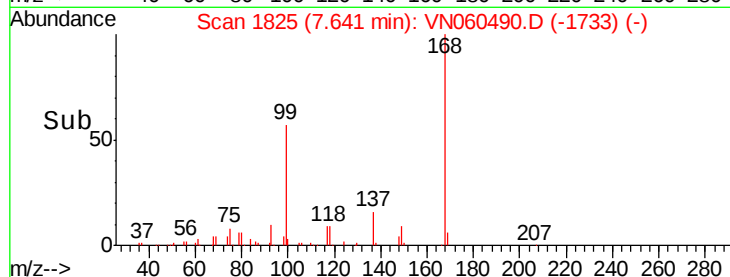
40000

20000

0

7.60 7.70 7.80

Time-->



#3

Chloromethane

Concen: 0.343 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060490.D

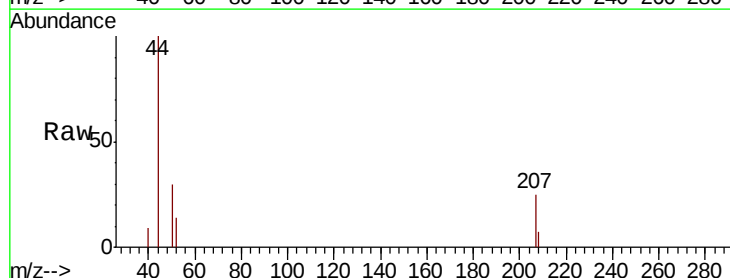
Acq: 13 Mar 2020 10:10

Tgt Ion: 50 Resp: 1067

Ion Ratio Lower Upper

50 100

52 46.0 25.6 38.4#



Abundance Ion 49.90 (49.60 to 50.60): VN060490.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VN060490.D (-1) (-)

2.04

600

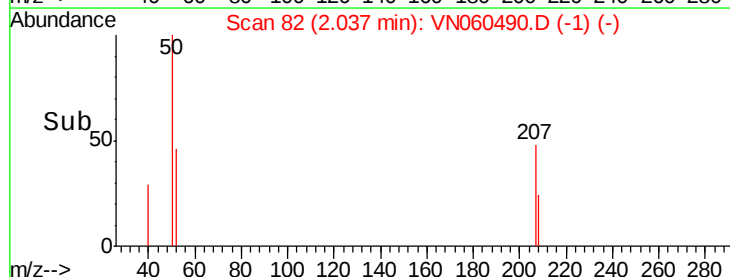
400

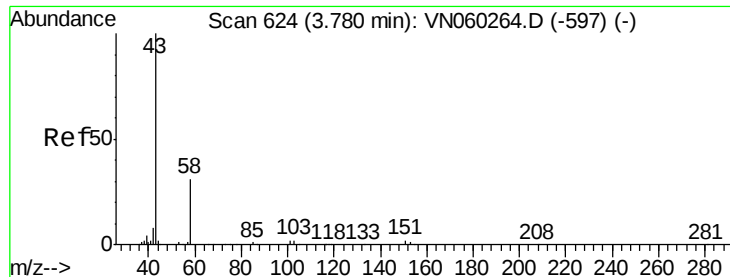
200

0

2.00 2.05

Time-->





#16

Acetone

Concen: 0.309 ug/l

RT: 3.79 min Scan# 627

Delta R.T. 0.01 min

Lab File: VN060490.D

Acq: 13 Mar 2020 10:10

Instrument :

MSVOA_N

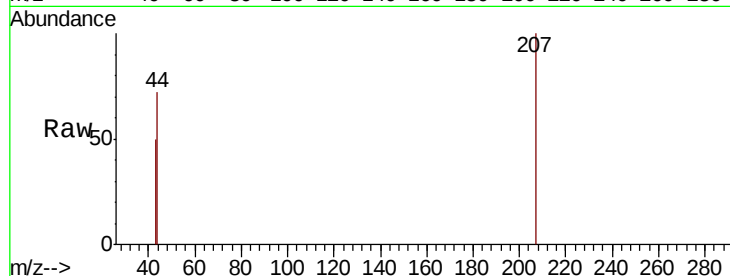
ClientSampled :

Tot Ion: 43 Resp: 250

Ion Ratio Lower Upper

43 100

58 0.0 24.6 36.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

250

200

150

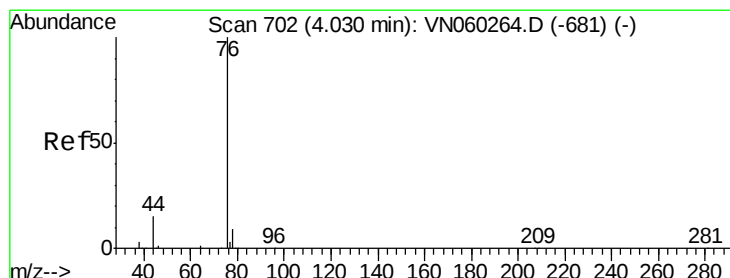
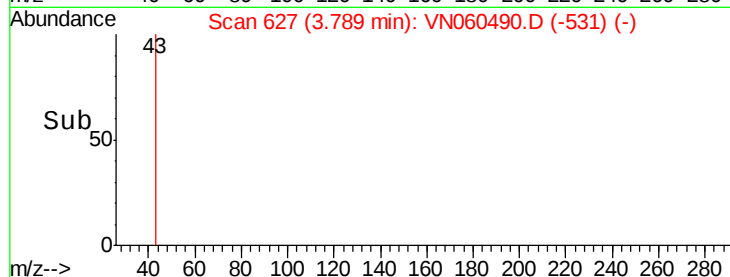
100

50

0

3.76 3.78 3.80

Time-->



#17

Carbon Disulfide

Concen: Below Cal

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN060490.D

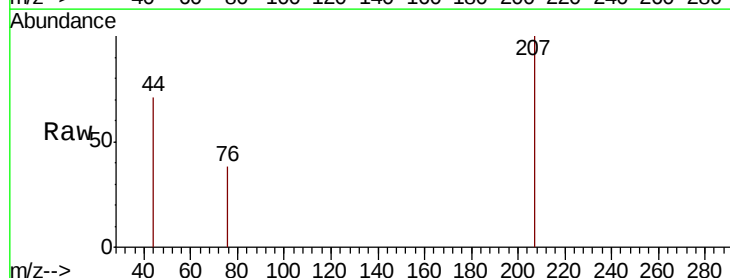
Acq: 13 Mar 2020 10:10

Tgt Ion: 76 Resp: 257

Ion Ratio Lower Upper

76 100

78 0.0 7.4 11.0#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

200

150

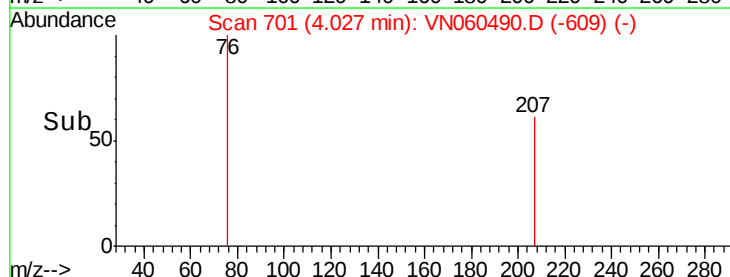
100

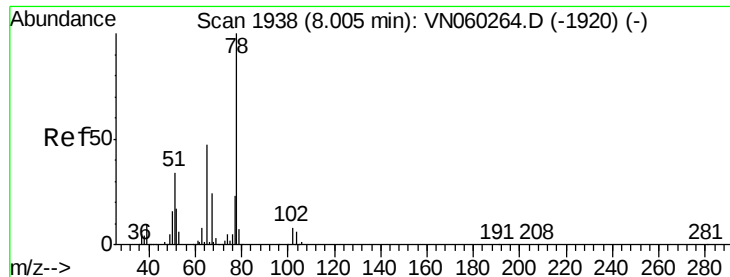
50

0

4.00 4.02 4.04 4.06

Time-->





#33

1,2-Dichloroethane-d4

Concen: 51.047 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. -0.00 min

Lab File: VN060490.D

Acq: 13 Mar 2020 10:10

Instrument :

MSVOA_N

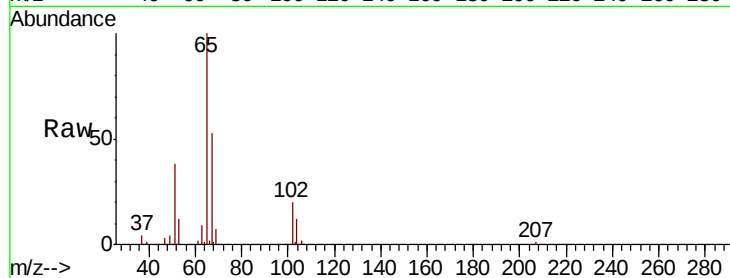
ClientSampled :

Tot Ion: 65 Resp: 127704

Ion Ratio Lower Upper

65 100

67 52.5 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VN060490.D (-1845) (-)

Ion 66.90 (66.60 to 67.60): VN060490.D (-1845) (-)

8.00

60000

50000

40000

30000

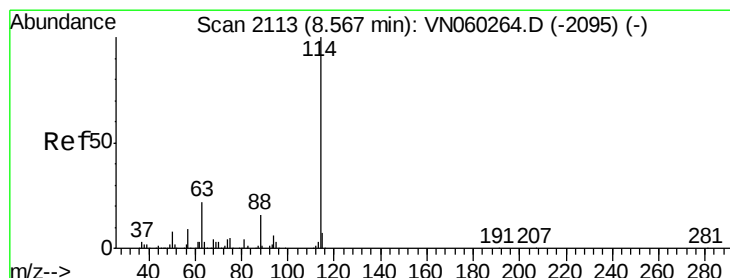
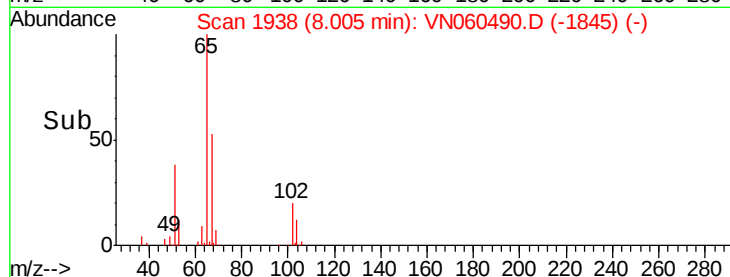
20000

10000

0

Time-->

7.90 8.00 8.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. -0.00 min

Lab File: VN060490.D

Acq: 13 Mar 2020 10:10

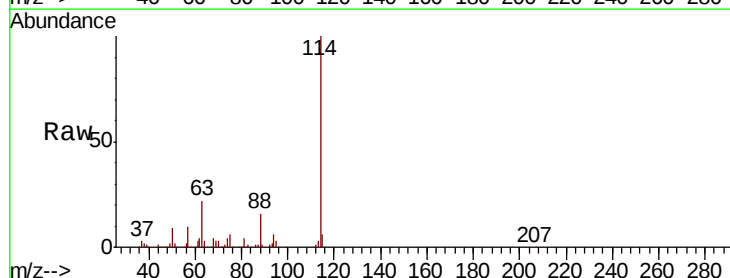
Tgt Ion: 114 Resp: 322408

Ion Ratio Lower Upper

114 100

63 22.4 0.0 43.2

88 16.3 0.0 31.6



Abundance Ion 113.90 (113.60 to 114.60): VN060490.D (-2020) (-)

Ion 63.00 (62.70 to 63.70): VN060490.D (-2020) (-)

Ion 87.90 (87.60 to 88.60): VN060490.D (-2020) (-)

8.57

200000

150000

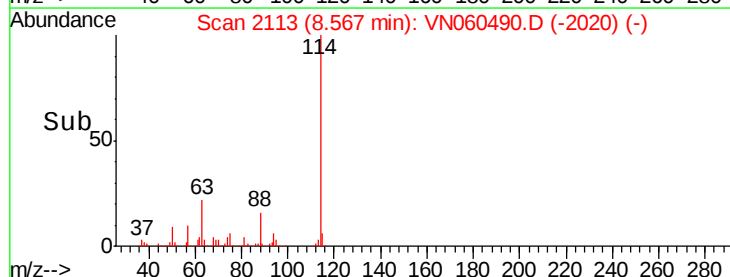
100000

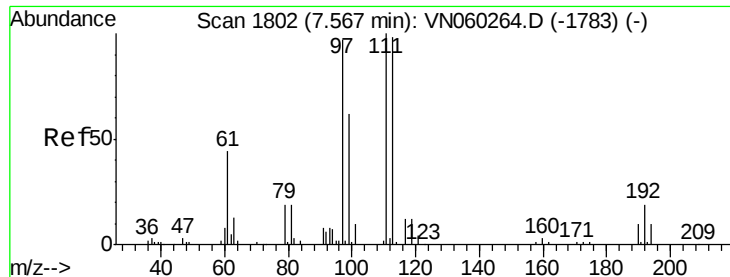
50000

0

Time-->

8.50 8.60 8.70





#35

Dibromofluoromethane

Concen: 63.536 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VN060490.D

Acq: 13 Mar 2020 10:10

Instrument :
MSVOA_N
ClientSampled :

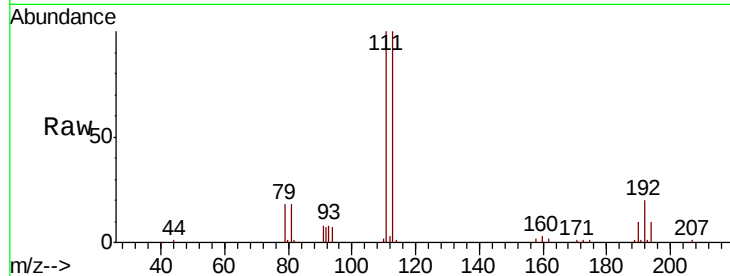
Tot Ion:113 Resp: 95083

Ion Ratio Lower Upper

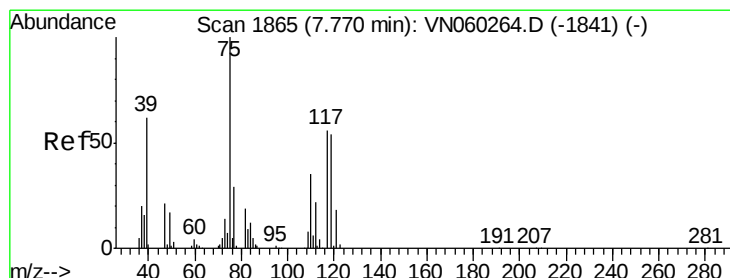
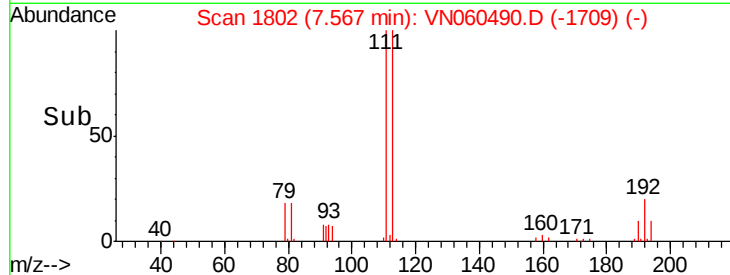
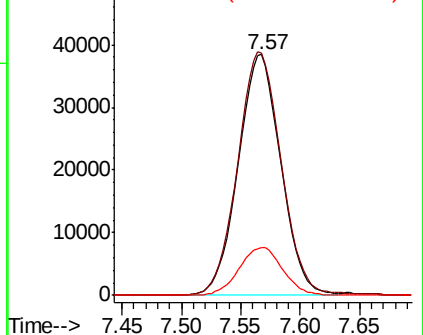
113 100

111 103.9 82.4 123.6

192 20.3 16.2 24.2



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.952 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.13 min

Lab File: VN060490.D

Acq: 13 Mar 2020 10:10

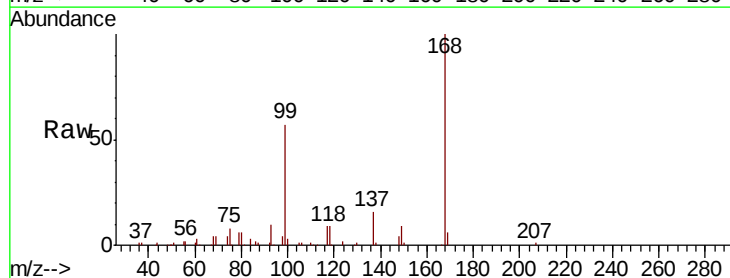
Tgt Ion: 75 Resp: 15215

Ion Ratio Lower Upper

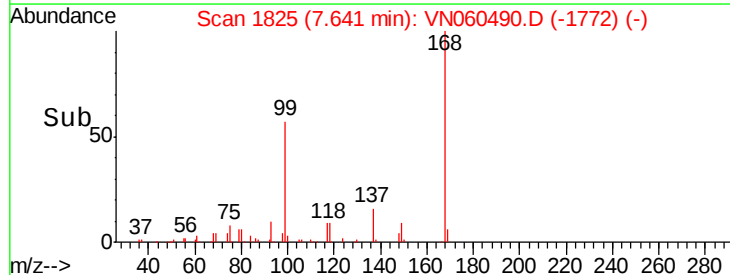
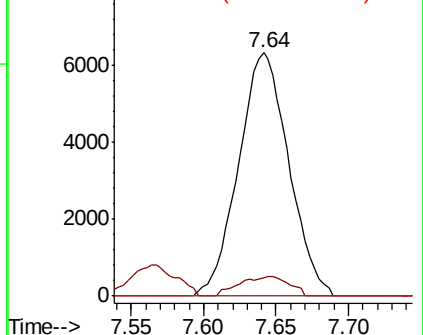
75 100

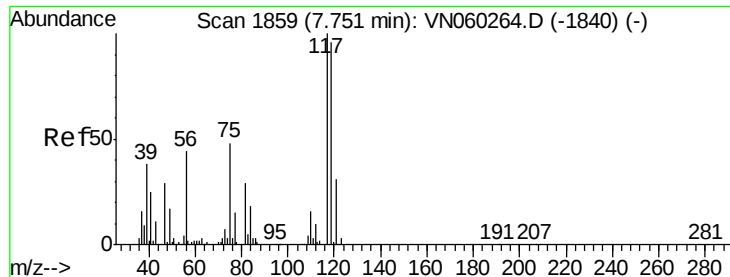
110 8.0 17.3 52.0#

77 0.0 24.2 36.2#



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 6.227 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.11 min

Lab File: VN060490.D

Acq: 13 Mar 2020 10:10

Instrument :

MSVOA_N

ClientSampleId :

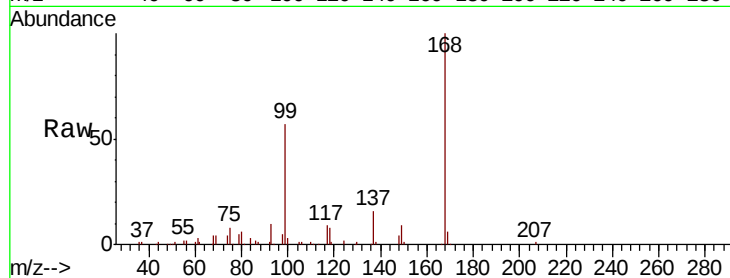
Tot Ion:117 Resp: 18628

Ion Ratio Lower Upper

117 100

119 5.3 76.7 115.1#

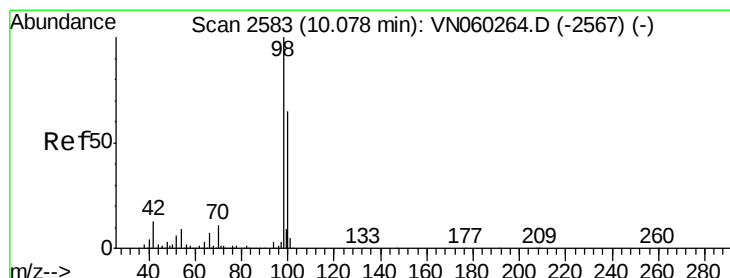
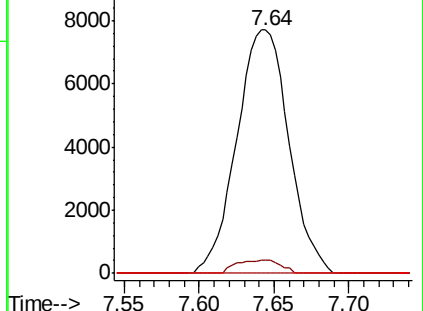
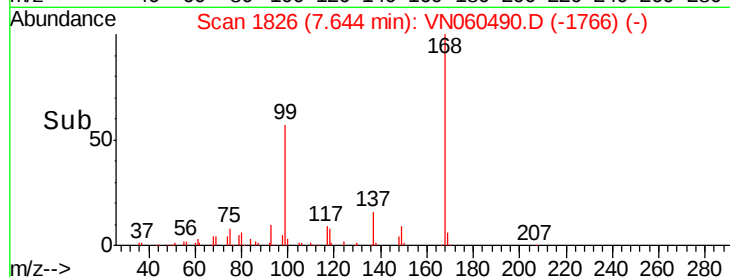
121 0.0 24.5 36.7#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 52.011 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. -0.00 min

Lab File: VN060490.D

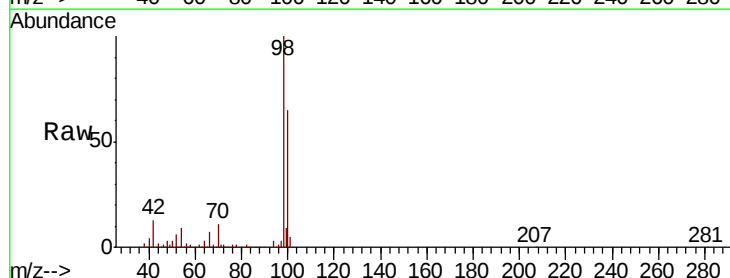
Acq: 13 Mar 2020 10:10

Tgt Ion: 98 Resp: 393936

Ion Ratio Lower Upper

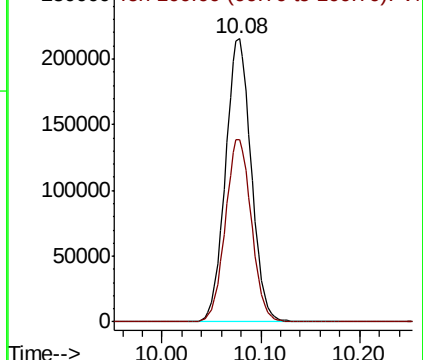
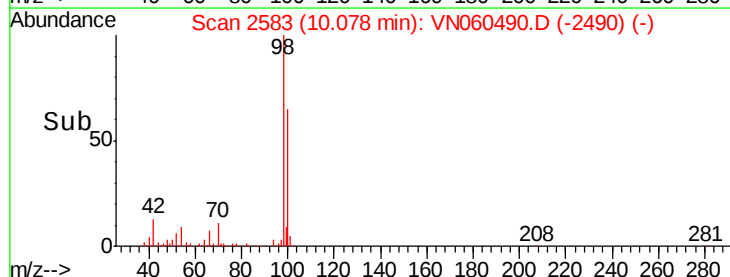
98 100

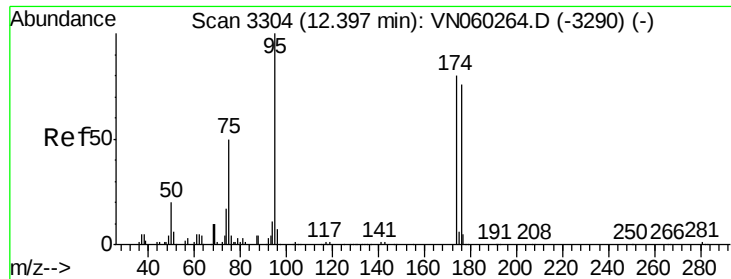
100 65.4 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN





#62

4-Bromofluorobenzene

Concen: 49.635 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN060490.D

Acq: 13 Mar 2020 10:10

Instrument :

MSVOA_N

ClientSampled :

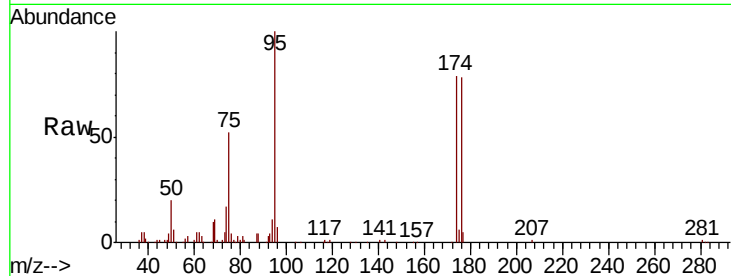
Tot Ion: 95 Resp: 142508

Ion Ratio Lower Upper

95 100

174 78.4 0.0 159.2

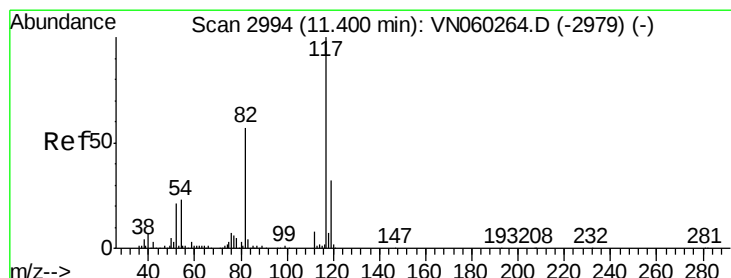
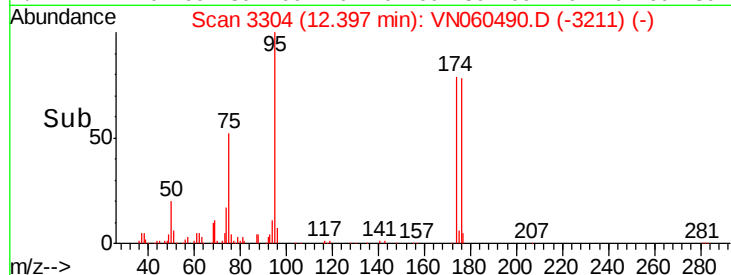
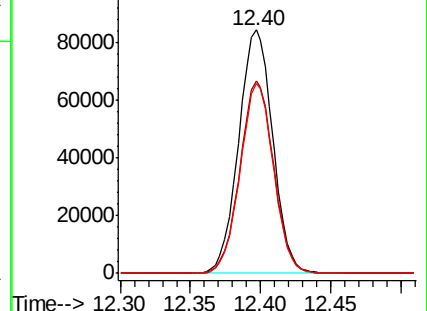
176 76.2 0.0 153.8



Abundance Ion 94.90 (94.60 to 95.60): VN060490.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN060490.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN060490.D (-3290) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. -0.00 min

Lab File: VN060490.D

Acq: 13 Mar 2020 10:10

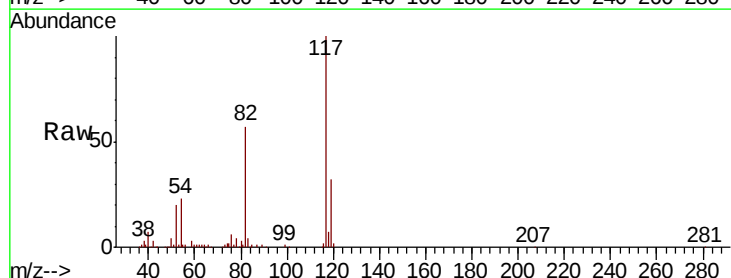
Tgt Ion: 117 Resp: 295592

Ion Ratio Lower Upper

117 100

82 56.5 45.8 68.6

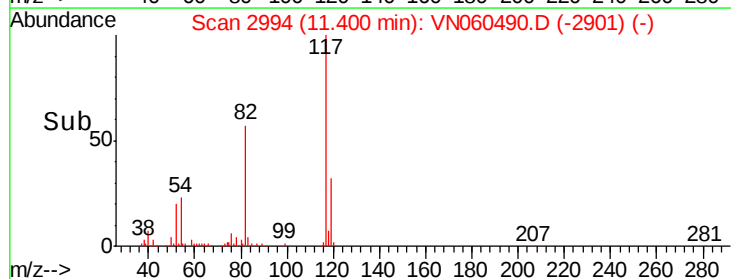
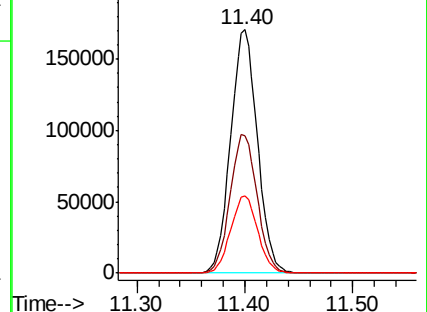
119 31.9 25.8 38.8

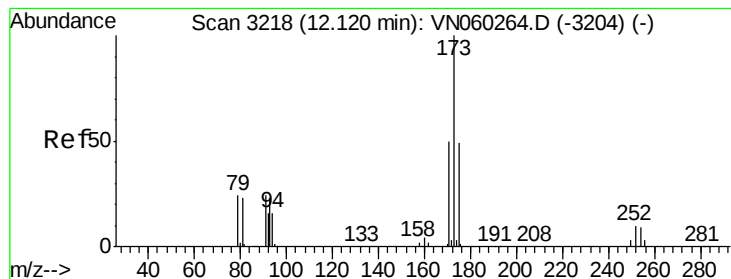


Abundance Ion 116.90 (116.60 to 117.60): VN060490.D (-2979) (-)

Ion 82.00 (81.70 to 82.70): VN060490.D (-2979) (-)

Ion 118.90 (118.60 to 119.60): VN060490.D (-2979) (-)





#71

Bromoform

Concen: 0.256 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. 0.27 min

Lab File: VN060490.D

Acq: 13 Mar 2020 10:10

Instrument :

MSVOA_N

ClientSampleId :

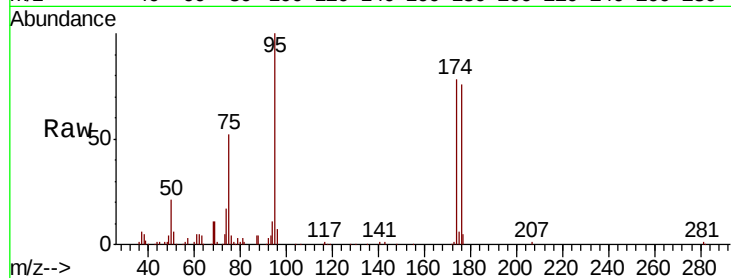
Tot Ion:173 Resp: 407

Ion Ratio Lower Upper

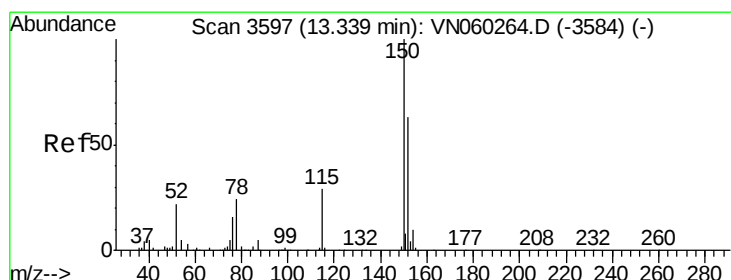
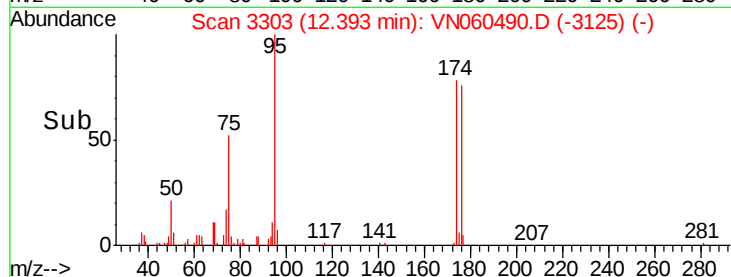
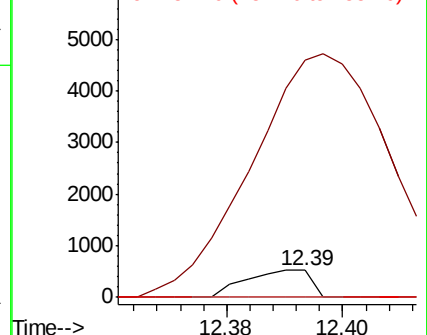
173 100

175 1654.1 24.1 72.2#

254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. -0.00 min

Lab File: VN060490.D

Acq: 13 Mar 2020 10:10

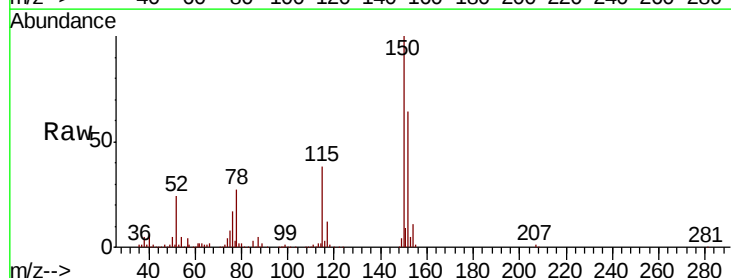
Tgt Ion:152 Resp: 128709

Ion Ratio Lower Upper

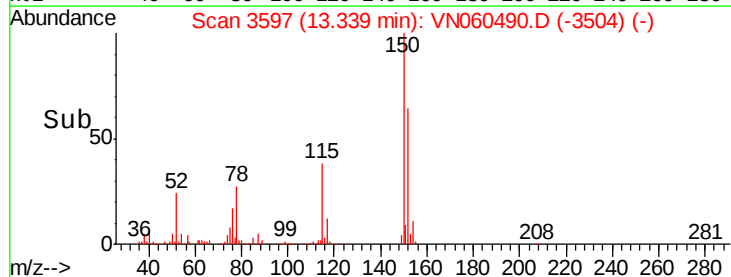
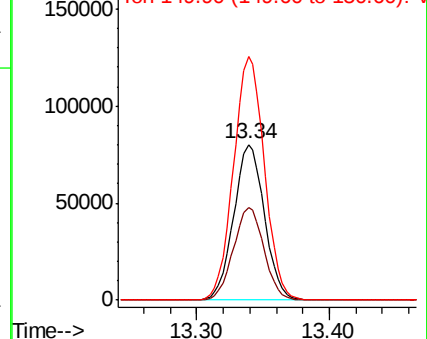
152 100

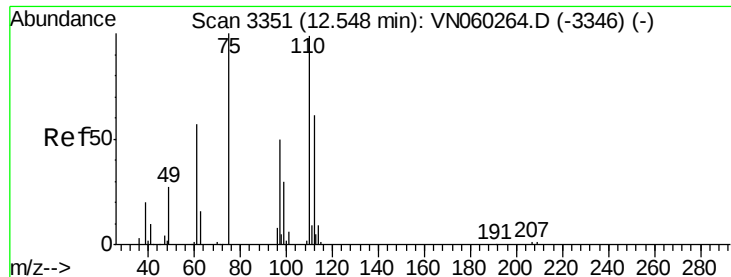
115 59.5 30.0 90.0

150 157.5 0.0 349.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 25.856 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060490.D

Acq: 13 Mar 2020 10:10

Instrument :

MSVOA_N

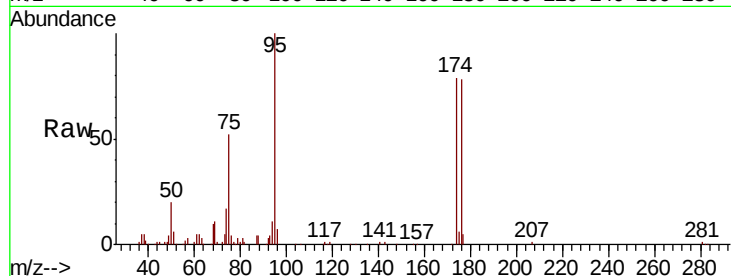
ClientSampleId :

Tot Ion: 75 Resp: 73015

Ion Ratio Lower Upper

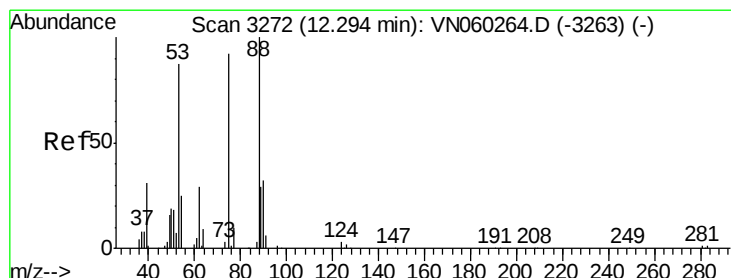
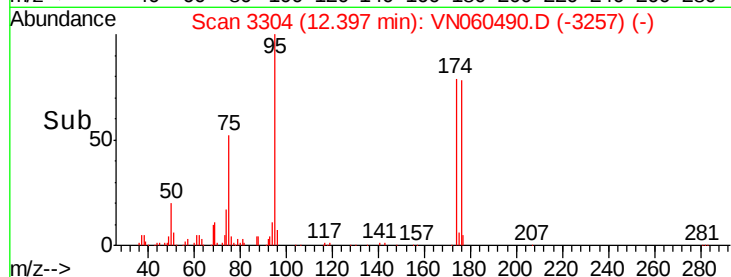
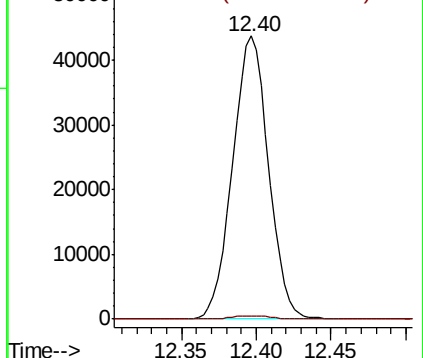
75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#81

trans-1,4-Dichloro-2-butene

Concen: 71.375 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060490.D

Acq: 13 Mar 2020 10:10

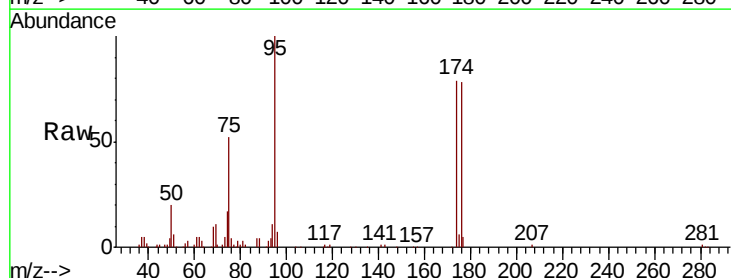
Tgt Ion: 75 Resp: 73015

Ion Ratio Lower Upper

75 100

53 0.0 73.8 110.6#

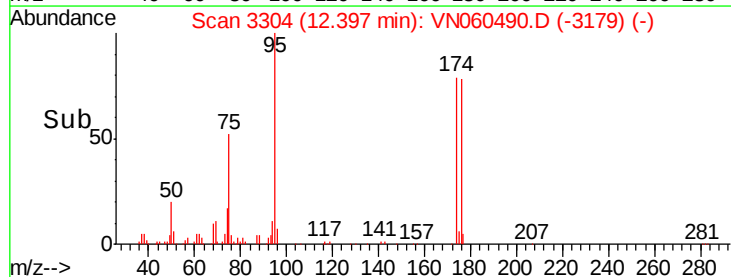
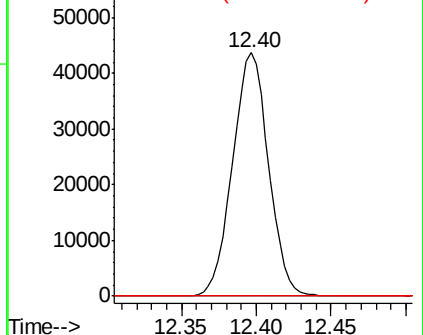
89 0.0 57.1 85.7#

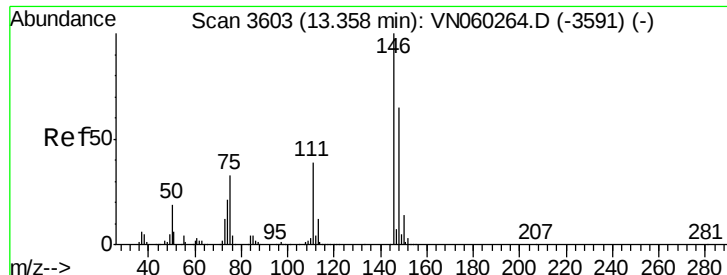


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

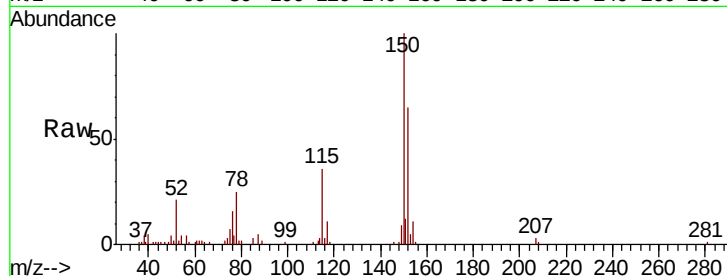




#88
 1,4-Dichlorobenzene
 Concen: Below Cal
 RT: 13.36 min Scan# 3603
 Delta R.T. 0.00 min
 Lab File: VN060490.D
 Acq: 13 Mar 2020 10:10

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	0.0	19.8	59.4#
148	75.5	32.3	96.9



Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

